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ASUS P9D WS (90SB03E0-M0EAY5)

Intel Socket 1150, Intel C226, 4 x DIMM max. 32GB DDR3 1600/1333 MHz, 3 x PCIe 3.0/2.0 x16, 1 x PCIe 2.0 x16, 1 x PCIe 2.0 x1, 2 x PCI, 1 x IEEE 1394a, 6 x SATA III 6Gb/s, Gigabit Ethernet, ATX

Price details:

Price excl. VAT: 196.28 €
Eco fees: 0.08 €
VAT 21 %: 41.24 €

Product details:

Product code: 90SB03E0-M0EAY5
EAN: 4716659559610
Manufacturer: ASUS

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237.60 €

* VAT included

Ultimate Workstation Design
The P9D WS features Intel's Socket 1150 with the C226 chipset specially-designed for workstations. ISV application testing and certification with integrated graphics cores on E3-12x5 v3 processors are perfect for entry-level workstations and software such as Autodesk® AutoCAD 2013 and Inventor 2012. The P9D WS is your best choice for a DIY workstation build that rivals top-tier pre-built workstations.

ASUS Dr. Power

Detect, diagnose, and monitor power supply health ASUS Dr. Power:

LED messages clearly indicate any relevant power issues in the event your system fails to boot. Additionally, power supply health auto-detection helps prevent sudden system shutdown and provides warnings should power delivery be insufficient.

Multiple displays

Three Times the work efficiency:

Without extra VGA card needed, the P9D WS gives users the ability to multitask on up to the independent displays through DisplayPort, HDMI and DVI-I connectors.

Built-in Dual Intel Server-Class Gigabit LAN

The latest server class built-in dual Intel® I210 Gigabit LAN Built-in Dual Intel Server-Class Gigabit LAN:
For more reliable networking, the P9D WS features the latest server class built-in dual Intel® Gigabit LAN. This leads to lower CPU utilization and temperature, achieving outstanding performance as well as better support for diverse operating systems.

Diverse CPU and Memory Types

Both Intel® E3-1200/12x5 v3 series server/workstation processors and 4th generation Core i3 desktop processors are supported. Users can also choose DDR3 unbuffered non-ECC memory, widely available on the market, or more stable and reliable DDR3 unbuffered ECC memory. The P9D WS provides flexible CPU and memory options to meet diverse needs.

Server-level Compatibility with RAID card and Lan card

The P9D WS provides complete compatibility with RAID and LAN cards.Users enjoy a wider selection of devices and higher reliability. As a workstation motherboard that puts an emphasis on system integration, offering the benefit of greater confidence and convenience.

AI Suite III

ASUS AI Suite III offers a brand new user experience through a clearer and more attractive interface with support for larger monitors. It consolidates all exclusive ASUS features into one simple-to-use package, allowing you to supervise overclocking, energy consumption, fan speeds, voltages and more. This all-in-one app offers diverse and easy to use functionality, with no need to switch back and forth between different utilities.

USB 3.0 Boost

ASUS USB 3.0 Boost technology supports UASP (USB Attached SCSI Protocol) in Windows 8. USB transmission speeds increase by up to 170%, adding to already fast USB 3.0 performance. USB 3.0 Boost automatically accelerates data rates for compatible USB 3.0 peripherals automatically and without any user-defined settings.

USB BIOS Flashback

Hardware-level USB BIOS Flashback allows users to update to new UEFI BIOS versions even without a CPU or DRAM installed on the motherboard. Just plug in a USB flash drive containing the BIOS file, and press the BIOS Flashback button for 3 seconds with the power supply connected.

UEFI BIOS

Media-renowned UEFI BIOS from ASUS provides the smoothest mouse-controlled graphical BIOS, and now features a new look with more intuitive functions to perfect your BIOS experience.

Network iControl

With a single-click, important applications get their data and network bandwidth prioritized over other programs. You can prioritize favorite applications easily by configuring profiles through the intuitive user interface. Within profiles, programs can be re-scheduled to run in a specific time to avoid network congestion and long waits on downloads. This is the most intuitive network bandwidth control ever.

Fan Xpert2

Hardware-level ASUS Fan Xpert 2 provides the most customizable settings for an even cooler and quieter computing environment. Upgraded with Fan Auto Tuning mode, it enables tailored fan speed settings for each CPU and chassis fan with exclusive automatic fan speed detection, which scans through each fan to run at specific settings based on different criteria, acheiving the best balance of cooling performance and low noise. Fan Xpert 2 also includes an RPM Fixed Mode for users who wish to reduce noise levels to near 0dB with highly specific fan speed control. It reacts to system loads for greater control.

Socket LGA1150 for Intel® 4th Generation Core i3 and Xeon E3-1200/12x5 v3 Processors

The latest Intel® 4th generation Core i3 and Xeon E3-1200/12x5 v3 series processors in the LGA1150 package are supported, with memory and PCI Express controllers integrated to enable 2-channel (4 DIMM) DDR3 memory and 16 PCI Express 3.0 lanes. This provides great graphics performance. Intel® 4th generation Core i3 and Xeon® E3-1200/12x5 v3 series processors are among the most powerful and energy efficient CPUs in the world.

C226

The Intel® C226 Express is the latest single-chipset design, supporting the new socket LGA1150 Intel® Core i3 4th generation processors and Intel® Xeon® E3-1200 v3 server processors. It improves performance by utilizing serial point-to-point links, allowing for increased bandwidth and stability. Additionally, the C226 comes with six SATA 6Gb/s ports for faster data retrieval, doubling the bandwidth of current bus systems. It also supports Intel's iGPU integrated graphics.

Intel® Smart Response Technology

SSD Speed with HDD Capacity:
Intel® Smart Response Technology boosts overall system performance. It uses an installed fast SSD (min 18.6GB available capacity required) as a cache for frequently accessed data. Key benefits include reduced load and wait times, and lower power consumption through the elimination of unnecessary hard drive spin. This technology combines SSD performance with hard drive capacity, operating up to 6X faster than a hard drive-only system.

Intel® Smart Connect Technology

Auto Application Refresh with Reduced Wait Times:
Your computer can receive web updates with fresh content for selected applications, even when the system is in sleep mode. This means less time waiting for applications to update and sync with the cloud, leading to a more efficient computing experience.

Intel® Rapid Start Technology

Instant Wake Up from Sleep Mode:
Allows your computer to quickly resume from a low-power hibernate state in seconds. Saving system memory to the designated SSD, it provides your computer faster wake-up response time, while still keeping energy use low.

Quad-GPU CrossFireX!

Flexible multi-GPU - your weapon of choice!
The P9D WS brings you AMD quad CrossFireX graphics, featuring the powerful Intel C226 platform to optimize PCI Express allocation in multiple GPU configurations. Expect a brand new gaming style like you've never experienced before!

Main specifications:

Design

Component for:	PC
Motherboard form factor:	ATX

Processor

Processor manufacturer:	Intel
Processor socket:	Socket H3 (LGA 1150)

Memory

Supported memory types:	DDR3-SDRAM
Supported memory clock speeds:	1333, 1600 MHz
Number of DIMM slots:	4
Maximum internal memory:	32 GB
ECC:	Y
Non-ECC:	Y
Memory channels support:	Dual

Storage controllers

Hard drive interface:	Serial ATA III
RAID levels:	0, 1, 5, 10

Internal I/O

Chassis intrusion connector:	Y
USB 2.0 connectors:	3
Number of chassis fan connectors:	4
Number of IEEE1394 connectors:	1
USB 3.0 connectors:	1
Number of SATA III connectors:	6
Number of COM connectors:	1
EPS power connector (8-pin):	Y
CPU fan connector:	Y
ATX Power connector (24-pin):	Y
Number of SATA connectors:	6

Back panel I/O ports

Ethernet LAN (RJ-45) ports:	2
PS/2 ports quantity:	1
USB 2.0 ports quantity:	4
USB 3.0 ports quantity:	2
Headphone outputs:	1
Microphone in:	Y
DVI-I ports quantity:	1

Performance

Motherboard chipset:	Intel C226
Audio output channels:	7.1
Trusted Platform Module (TPM):	Y

Processor special features

Intel Clear Video HD Technology:	Y

Expansion slots

PCI Express x1 (Gen 2.x) slots:	1
PCI Express x16 (Gen 2.x) slots:	1

PCI Express x16 (Gen 3.x) slots:	3
PCI slots:	2

Networking

Ethernet LAN:	Y
Ethernet interface type:	Gigabit
LAN controller:	Intel I210

Graphics

Parallel processing technology support:	4-Way CrossFireX

Packaging content

Cables included:	SATA

BIOS

BIOS type:	EFI AMI
BIOS memory size:	64 MB
ACPI version:	2.0a

Technical details

Intel Rapid Storage Technology:	Y

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